## **EVALUATION OF SURFACE IRRIGATION SYSTEMS**

Cooperator:	Field	No.:	_Acreage:	Date:
Soil Type:				
Available Stream:	Irrigatio	n Slope:		_Side Slope:
EVALUATION OF IRRIGATION		Existing		RECOMMENDATIONS
1.000				
1. Crop				
2. Method of Irrigation				
3. Length of Run	L			
4. Border Width of Furrow Spacing	W			
5. No. of Furrows or Borders per set	1 14/ A			
6. Area of Set-Acres	$\frac{L \times W}{43560} = A$			
7. Irrigation Stream, Border cfs	Q			
8. Stream Size per Furrow in gpm				
9. Unit Stream Size, Borders in cfs	q			
10. Application Time in Hours	Т			
11. Time to Reach Fnd of Run				
12. Water Application in In. per Ac.	D			
13. Waste Water Stream Size, cfs	Q1			
_14. Time in Hours	D1			
15. Waste Water in Inches	D2			
16. Net Application in In. per Ac.				
17. Application Needed, inches				
18. Efficiency % Line 17/12				
19. Border Height in Inches				
20. Water Depth in Inches				
21. Furrows Initial Stream Size gpm				
22. Furrows Final Stream Size gpm				
23. Irrigation Interval				
24. Disappearance Time				
$Q = \underline{qWL}, \qquad \underline{q = 100 Q,}$	L = 100 Q	W = 1	00 Q	

Prepared by: \_\_\_\_\_\_